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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/302,336	04/29/1999	RICHARD FRANCIS AVERILL	54839USA3A	6751
75	590 04/08/2002			
CHARLES L DENNIS II OFFICE OF INTELLECTUAL PROPERTY COUNSEL 3M INNOVATIVE PROPERTIES COMPANY P O BOX BOX 33427 ST PAUL, MN 551333427			EXAMINER	
			RIMELL, SAMUEL G	
			ART UNIT	PAPER NUMBER
51 11 <b>52,</b> 1111			2166	,e l
			DATE MAILED: 04/08/2002	14

Please find below and/or attached an Office communication concerning this application or proceeding.

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- t. •			(3)			
		Application No.	Applicant(s)			
-	· ·	09/302,336	AVERILL ET AL.			
Office Action Summary		Examiner	Art Unit			
		Sam Rimell	2166			
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover shee	t with the correspondence address			
THE I - External form of the control	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1.7 SIX (6) MONTHS from the mailing date of this communication. Period for reply specified above is less than thirty (30) days, a reprepriod for reply is specified above, the maximum statutory period reto reply within the set or extended period for reply will, by statutely received by the Office later than three months after the mailing appearance of the provided patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, ma ly within the statutory minimum o will apply and will expire SIX (6) e, cause the application to becom	ny a reply be timely filed  f thirty (30) days will be considered timely.  MONTHS from the mailing date of this communication.  The ABANDONED (35 U.S.C. § 133).			
1)	Responsive to communication(s) filed on					
2a)⊠	This action is <b>FINAL</b> . 2b)☐ TI	nis action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)🖂	Claim(s) 1-12 is/are pending in the applicatio	n.				
	4a) Of the above claim(s) is/are withdra	wn from consideration.				
5)🖂	Claim(s) 9, 11 is/are allowed.					
6)⊠	Claim(s) <u>1-8,10 and 12</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)□	Claim(s) are subject to restriction and/o	or election requirement.	·			
Applicati	on Papers					
9)□	The specification is objected to by the Examine	er.				
10) 🔲	The drawing(s) filed on is/are: a) acce	pted or b) objected to	by the Examiner.			
	Applicant may not request that any objection to the	ne drawing(s) be held in a	peyance. See 37 CFR 1.85(a).			
11) 🗌 .	The proposed drawing correction filed on	_ is: a)□ approved b)[	disapproved by the Examiner.			
	If approved, corrected drawings are required in re	ply to this Office action.				
12)	The oath or declaration is objected to by the Ex	kaminer.				
Priority (	ınder 35 U.S.C. §§ 119 and 120					
13)	Acknowledgment is made of a claim for foreig	n priority under 35 U.S	C. § 119(a)-(d) or (f).			
a)[	☐ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority document	ts have been received.	•			
	2. Certified copies of the priority document	ts have been received i	n Application No			
* 0	3. Copies of the certified copies of the price application from the International Business the attached detailed Office action for a list	ireau (PCT Rule 17.2(a	1)).			
	cknowledgment is made of a claim for domest	· ·				
а	The translation of the foreign language pro	ovisional application ha	s been received.			
Attachment	Acknowledgment is made of a claim for domest	uc priority under 35 U.S	MIMAN EXAM			
1) Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s) _	4) 📙 Interv 5) 🔲 Notice	iew Summary (PTO-413) Paper No(s). 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10			

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8, 10, 12 are rejected under 35 U.S.C. 102(b) as being anticipated by DXCG Document.

The reference entitled DXCG Document is four pages of screenshots obtained from DXCG.com. The document includes two sections. The first section is entitled "From Diagnosis Codes to Diagnostic Cost Groups" and "How DXCG Models Predict Resource use".

These articles describe DXCG models used by DXCG, INC. According to the DXCG com website, these models have been validated in published research dating back to 1986.

As seen on page 1 of the section entitled "From Diagnosis Codes to Diagnostic Cost Groups", the DXCG model starts by obtaining a set of medical care codes, which are the ICD-9-CM medical codes which are well known in the art. These codes are then categorized into major disease categories called "DxGroups". These major disease categories are then categorized into episode disease categories called "HCCs". Within each HCC, the severity of a particular illness can be subcategorized. For example, metastatic cancer can be subcategorized as "Neoplasm 1", while benign neoplasms can be subcategorized as "Neoplasm 8".

There are 118 HCCs and each can be subcategorized by severity of illness, as seen by the neoplasms example above.

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Some of the episode disease categories represent chronic conditions, such as cancer.

These chronic conditions are subcategorized, as seen by the neoplasms example above.

The range of neoplasm severity from "Neoplasm 1" to "Neoplasm 8" represents a "leveling matrix" used to adjust the severity of illness for any given episode disease category.

A second set of medical care codes is applied when a subject has a second simultaneous illness. On page 1, the subject has four simultaneous illnesses, and thus four sets of medical codes. Each set of medical codes is further defined into major disease categories and episode disease categories, with each episode disease category having a leveling matrix for chronic conditions.

As seen on the fourth page of the DXCG document, the episode disease categories are aggregated to define a clinical cost for that particular subject. The cost defines a rating for that subject.

Also on page 4, last paragraph, it is seen that a subject is assigned to the most severe clinical risk group for each episode disease category. For example, a subject having both of illnesses defined by subcategories Neoplasm 1 and Neoplasm 2, the subject is assigned the subcategory of Neoplasm 1, which is the most severe category.

Claims 9 and 11 are allowed.

## Remarks

Applicant's arguments regarding the rejection of claim 5 are well taken. The rejection has been withdrawn.

Applicant's arguments regarding the rejection of claims 1-8, 10 and 12 under 35 USC 102(b) have been considered but are not well taken.

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Applicant argues that the DXCG document lacks any disclosure of a leveling matrix. As

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stated in the previous office action and repeated herein, the DXCG document does in fact

disclose such a leveling matrix. An example of this matrix is the scale "neoplasm 1" through

"neoplasm 8", which is used to adjust the severity of illness for any given episode disease

category.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication should be directed to Sam Rimell at

telephone number (703) 306-5626.

Sam Rimell

Primary Examiner

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